

steffenmk  
8/9/2004  
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BGNBOM

ITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	WHITE	77	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

- FAI 64 (I-64)
  - \*\* D-7 BRIDGE DECK REPAIRS FY 2005
- CONTRACT NO. 94861

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322 Grade 60.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing reinforcement bars shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system (cost included in concrete removal).

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50 F.

Removal and replacement of the end handrail sections and support posts at both abutments and piers 12, 15, 20, & 24 will be necessary for construction of the expansion joints. The existing handrail sections and support posts shall be reused. New bolts, shim plates, and post support anchor assemblies as detailed in the plans are to be provided and installed for the replacement of the handrail and supports. This work and all materials shall be included in the contract unit price for Concrete Superstructure.

Removal of all existing expansion joints shall be included in the contract unit price for Concrete Removal.

Floor drains to be eliminated will not be paid for separately but shall be included in the price per square yards of Deck Slab Repair (Full Depth).

Prior to pouring the new concrete deck at all expansion joint locations, all loose rust, loose mill scale, and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

The existing waterproofing membrane system is not known to contain asbestos.

BILL OF MATERIALS 097-0003 (EB)

ITEM	UNIT	QUANTITY
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ. YD.	9018
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	564
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ. YD.	5
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ. YD.	517
BRIDGE SIDEWALK REPAIR (FULL DEPTH)	SQ. FT.	1234
CONCRETE REMOVAL	CU. YD.	30.9
FLOOR DRAINS	EACH	297
REINFORCEMENT BARS, EPOXY COATED	POUND	5970
NEOPRENE EXPANSION JOINT 2"	FOOT	36.6
NEOPRENE EXPANSION JOINT 4"	FOOT	181.6
CONCRETE SUPERSTRUCTURE	CU. YD.	34.1
POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE,	TON	1010
SUPERPAVE MIX "D", N90		
WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	9018
FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	64
FORMED CONCRETE REPAIR (DEPTH ≤ 5")	SQ. FT.	49
RELOCATING NAME PLATES	EACH	1
STRUCTURAL STEEL REMOVAL	POUND	1765
DRAINAGE SYSTEM (SPECIAL)	L. SUM	0.5
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8325
STIFFENER INTERSECTION MODIFICATION	EACH	324

BILL OF MATERIALS 097-0004 (WB)

ITEM	UNIT	QUANTITY
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ. YD.	9018
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	777
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ. YD.	17
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ. YD.	481
BRIDGE SIDEWALK REPAIR (FULL DEPTH)	SQ. FT.	992
CONCRETE REMOVAL	CU. YD.	30.9
FLOOR DRAINS	EACH	297
REINFORCEMENT BARS, EPOXY COATED	POUND	5970
NEOPRENE EXPANSION JOINT 2"	FOOT	36.6
NEOPRENE EXPANSION JOINT 4"	FOOT	181.6
CONCRETE SUPERSTRUCTURE	CU. YD.	34.1
POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE,	TON	1010
SUPERPAVE, MIX "D", N90		
WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	9018
FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	64
RELOCATING NAME PLATES	EACH	1
STRUCTURAL STEEL REMOVAL	POUND	1765
DRAINAGE SYSTEM (SPECIAL)	L. SUM	0.5
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8325
STIFFENER INTERSECTION MODIFICATION	EACH	324

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE GENERAL NOTES  
&  
BILL OF MATERIALS

SCALE: VERT. HORIZ.  
DATE

DRAWN BY  
CHECKED BY